

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/053611 A2

- (51) International Patent Classification⁷: **A61K**
- (21) International Application Number:
PCT/US2004/039325
- (22) International Filing Date:
23 November 2004 (23.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/524,884 26 November 2003 (26.11.2003) US
- (71) Applicant (for all designated States except US): **TRANS-MOLECULAR, INC.** [US/US]; One Perimeter Park South, Suite 400 North, Birmingham, AL 35243 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **GONDA, Matthew, A.** [US/US]; One Perimeter Park South, Suite 400 North, Birmingham, AL 35243 (US). **ALVAREZ, Vernon, L.** [US/US]; One Perimeter Park South, Suite 400 North, Birmingham, AL 35243 (US). **GRIMES, Carol, A.** [US/US]; One Perimeter Park South, Suite 400 North, Birmingham, AL 35243 (US).
- (74) Agents: **SMYTH, Robert, J. et al.**; Morgan, Lewis & Bockius LLP, 1111 Pennsylvania Avenue, Northwest, Washington, DC 20004 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TREATMENT OF PHOSPHATIDYLINOSITOL PHOSPHOLIPID DISORDERS

(57) Abstract: Disclosed is a method of treating cell proliferative disorders, such as cancer, with amounts of chlorotoxin and/or derivatives, analogs of fragments thereof, which are effective to bind to phosphoinositol phospholipids.

WO 2005/053611 A2